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<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>(21) International Application Number: PCT/GB99/03953</p> <p>(22) International Filing Date: 29 November 1999 (29.11.99)</p> <p>(30) Priority Data:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">9826398.1</td> <td style="width: 33%;">2 December 1998 (02.12.98)</td> <td style="width: 33%;">GB</td> </tr> <tr> <td>9922807.4</td> <td>28 September 1999 (28.09.99)</td> <td>GB</td> </tr> </table> <p>(71) Applicant (for all designated States except US): THE VICTORIA UNIVERSITY OF MANCHESTER [-/GB]; Oxford Road, Manchester M30 9PL (GB).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): TAYLOR, Christopher, John [-/GB]; 33 Wellfield Road, Offerton, Stockport (GB). COOTES, Timothy, Francis [-/GB]; 21 Green Lane, Heaton Moor, Stockport SK4 3LE (GB). EDWARDS, Gareth [-/GB]; The Paddock, Waterswallows Road, Buxton, Derbyshire SK17 7JJ (GB). COSTEN, Nicholas, Paul [-/GB]; 28 Victoria Road, Sale Moor, Sale Cheshire (GB).</p> <p>(74) Agent: ALLMAN, Peter, John; Marks & Clerk, Sussex House, 83-85 Mosley Street, Manchester M2 3LG (GB).</p> </div> <div style="width: 48%;"> <p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p> </div> </div>			9826398.1	2 December 1998 (02.12.98)	GB	9922807.4	28 September 1999 (28.09.99)	GB
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<p>(54) Title: FACE SUB-SPACE DETERMINATION</p> <p>(57) Abstract</p> <div style="display: flex;"> <div style="width: 30%; padding-right: 10px;"> <p>A method of determining face sub-spaces. The method comprises making initial estimates of the sub-spaces, for example lighting, pose, identity and expression, using Principle Component Analysis on appropriate groups of faces. The method further comprises applying an iterative algorithm to image codings to maximise the probability of coding across these non-orthogonal sub-spaces, obtaining the projection on each sub-space, and recalculating the spaces.</p> </div> <div style="width: 65%; text-align: center;">  </div> </div>								